

# The 49th Sapporo Symposium on Partial Differential Equations

第 49 回偏微分方程式論札幌シンポジウム

Period	August 19, 2024 – August 21, 2024
Organizers	Hideo Kubo, Satoshi Masaki
Program Committee	Shin-Ichiro Ei, Yoshikazu Giga, Nao Hamamuki, Shuichi Jimbo, Hideo Kubo, Hirotoshi Kuroda, Satoshi Masaki, Tohru Ozawa, Takashi Sakajo, Kimitoshi Tsutaya
URL	<a href="https://www.math.sci.hokudai.ac.jp/sympo/sapporo/program240819.html">https://www.math.sci.hokudai.ac.jp/sympo/sapporo/program240819.html</a>

## August 19, 2024 (Monday)

13:20-13:30	Opening
13:30-14:30	隠居良行 (東京工業大学) Yoshiyuki Kagei (Tokyo Institute of Technology) On the stability of bifurcating periodic patterns of the compressible Navier-Stokes equations
14:40-15:10	坪内俊太郎 (東京大学) Shuntaro Tsubouchi (The University of Tokyo) Continuity of a spatial derivative for certain very singular parabolic equations
15:10-15:40	*
15:40-16:40	三沢正史 (熊本大学) Masashi Misawa (Kumamoto University) Positivity-propagation for doubly nonlinear parabolic type equations and its application to regularity
16:50-17:20	Jean C. Nakasato (Hokkaido University / University of São Paulo) Asymptotic modelling of the current flow system described by the $p(x)$ -Laplacian

August 20, 2024 (Tuesday)

10:00-11:00	水谷治哉（大阪大学） Haruya Mizutani (Osaka University) Modified scattering for nonlinear Schrödinger equations with linear long-range potentials
11:10-11:50	黄益（南京師範大学/早稲田大学） Yi Huang (Nanjing Normal University / Waseda University) On gradient blowup profiles for nonlinear heat equations
11:50-13:40	*
13:40-14:00	* *
14:00-15:00	Marcone C. Pereira (University of São Paulo) Roughness-induced effects on a reaction-diffusion equation defined in thin domain
15:10-15:50	田中視英子（東京理科大学） Mieko Tanaka (Tokyo University of Science) Remarks on the non-local $q$ -eigenvalue problems for the $p$ -Laplacian
15:50-16:20	*
16:20-16:50	深谷法良（早稲田大学） Noriyoshi Fukaya (Waseda University) Uniqueness of ground states for 2d-nonlinear Schrödinger equations with point interaction
17:00-17:30	江藤徳宏（東京大学） Tokuhiko Eto (The University of Tokyo) A Minimizing Movement Scheme for Mean Curvature Flow: Addressing Contact Angles in Regular Domains
18:30-	Banquet

August 21, 2024 (Wednesday)

10:00-11:00	村川秀樹（龍谷大学） Hideki Murakawa (Ryukoku University) A cell-cell adhesion model and chemotaxis systems
11:10-11:50	Marco G. Ghimenti (The University of Pisa) The effect of perturbations on the multiplicity of eigenvalues for the fractional Laplacian on bounded domain
11:50-12:00	Closing

( \*: break/discussion, \* \*: Free discussion with speakers in the tea room)